Performance Data Sheet

HGAB514BAA

General Information

Model	HGAB514BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	7830			
	Watts (Power)				
	Amps	7.66			
	Lb/h	107			
-23.3	Btu/h	8050	8560		
	Watts (Power)				
	Amps	7.69	7.24		
	Lb/h	110	117		
-20	Btu/h	8500	8490		
	Watts (Power)				
	Amps	7.77	7.48		
	Lb/h	117	116		
-15	Btu/h	9320	8690	9060	
	Watts (Power)	201	285	379	
	Amps	7.87	7.83	8.96	
	Lb/h	128	119	124	
-10	Btu/h	10300	9290	8990	9550
	Watts (Power)	507	604	710	845
	Amps	7.92	8.14	9.48	11.0
	Lb/h	141	127	123	131
-6.7	Btu/h	11100	9930	9310	9360
	Watts (Power)	626	733	848	992
	Amps	7.91	8.32	9.79	11.4
	Lb/h	152	136	128	128
-5	Btu/h	11600	10300	9590	9420
	Watts (Power)	666	779	899	1050
	Amps	7.89	8.39	9.94	11.6
	Lb/h	158	142	131	129
0	Btu/h	13100	11900	10900	10200
	Watts (Power)	718	848	986	1150
	Amps	7.76	8.53	10.3	12.1
	Lb/h	179	163	149	140

5	Btu/h	14900	13900	12900	12000
	Watts (Power)	700	852	1010	1190
	Amps	7.49	8.54	10.5	12.5
	Lb/h	203	191	177	164
7.2	Btu/h	15800	15000	14100	13100
	Watts (Power)	681	842	1010	1200
	Amps	7.31	8.49	10.6	12.7
	Lb/h	216	206	193	179
10	Btu/h	17000	16500	15800	14700
	Watts (Power)	652	827	1010	1210
	Amps	7.04	8.38	10.6	12.8
	Lb/h	233	227	216	202
15	Btu/h	19500	19800	19400	18500
	Watts (Power)	613	814	1020	1250
	Amps	6.39	8.03	10.5	12.9
	Lb/h	268	271	266	254

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.664691E+04	1.660078E+02	2.103490E+01	2.280856E+02
C2	-8.111686E+01	-1.089416E+01	-2.703406E-01	-1.112134E+00
C3	-9.776130E+01	2.638942E+01	-1.023176E+00	-1.341881E+00
C4	-7.032978E+00	-1.534050E+00	-3.216853E-03	-9.632584E-02
C5	2.170036E+01	4.658809E-01	9.274941E-03	2.973054E-01
C6	-1.310480E+00	-3.670332E-01	2.413300E-02	-1.790052E-02
C7	5.280510E-02	5.163987E-02	-4.210756E-05	7.223267E-04
C8	4.376513E-01	5.145833E-03	1.379118E-05	5.995219E-03
C9	-2.684164E-01	-1.089796E-03	-5.284427E-05	-3.677367E-03
C10	1.925898E-02	3.345876E-03	-1.592305E-04	2.635027E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature